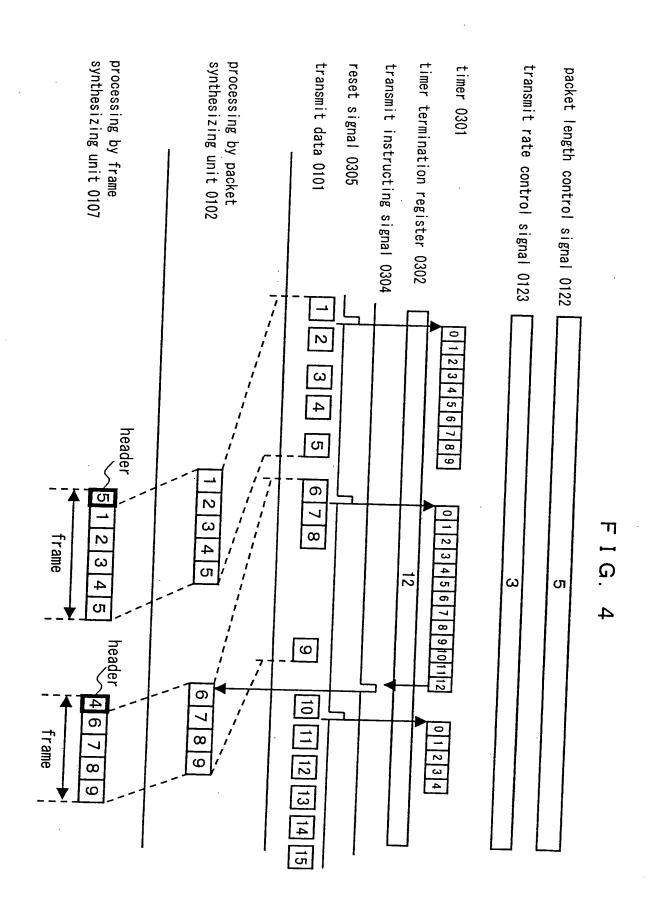
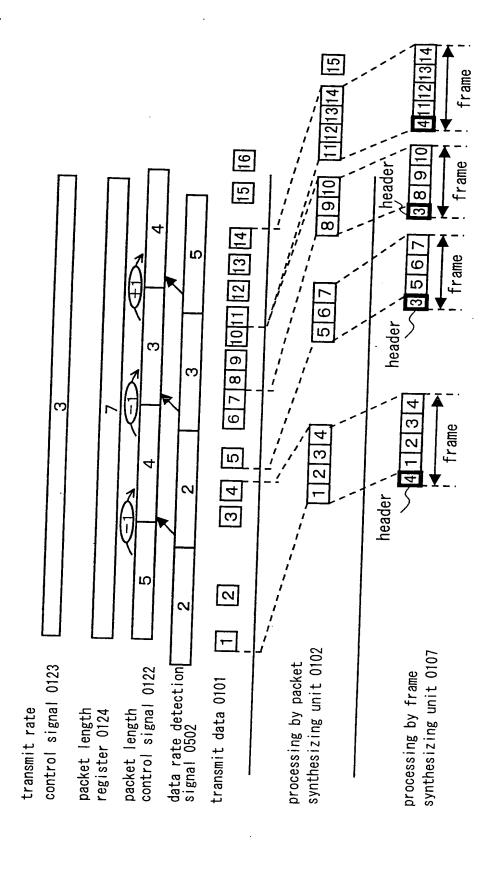


FIG.



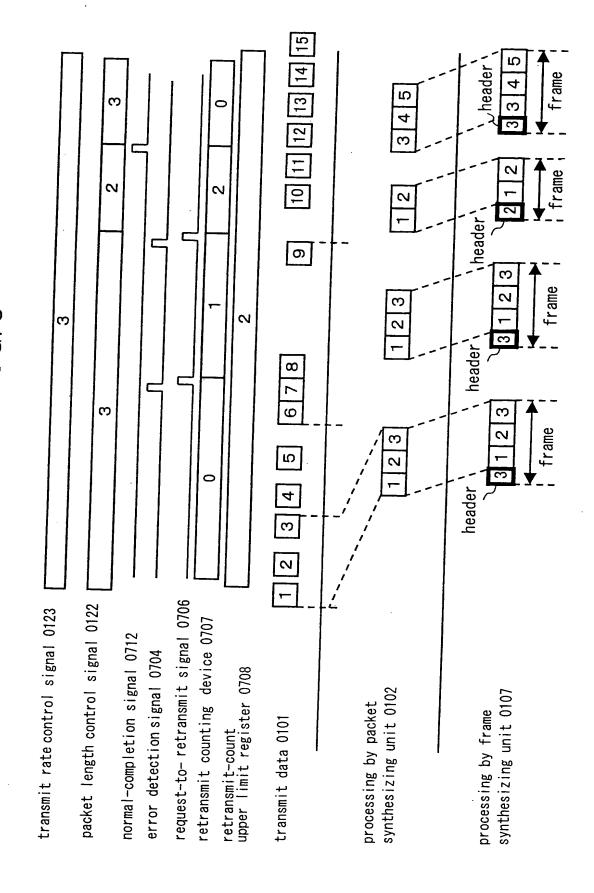
Wireless transmit 0110 antenna 0122 packet length control signal signal transmit unit Wireless 0109 transmit frame packet length control signal 0108 -01200107 0124 synthesizing frame transmit packet data unit 0122 packet length rate controlling device ~ 0105 packet length packet length controlling unit 0103 synthesizing register packet 0503 buffer 0102 unit packet length controlling unit 0120 0104 packet length setting signal 0121 data rate detection signal 0503 packet length setting signal 0121 transmit rate control signal **0123** detecting unit 0502 0501 data rate transmit data

FIG. 5

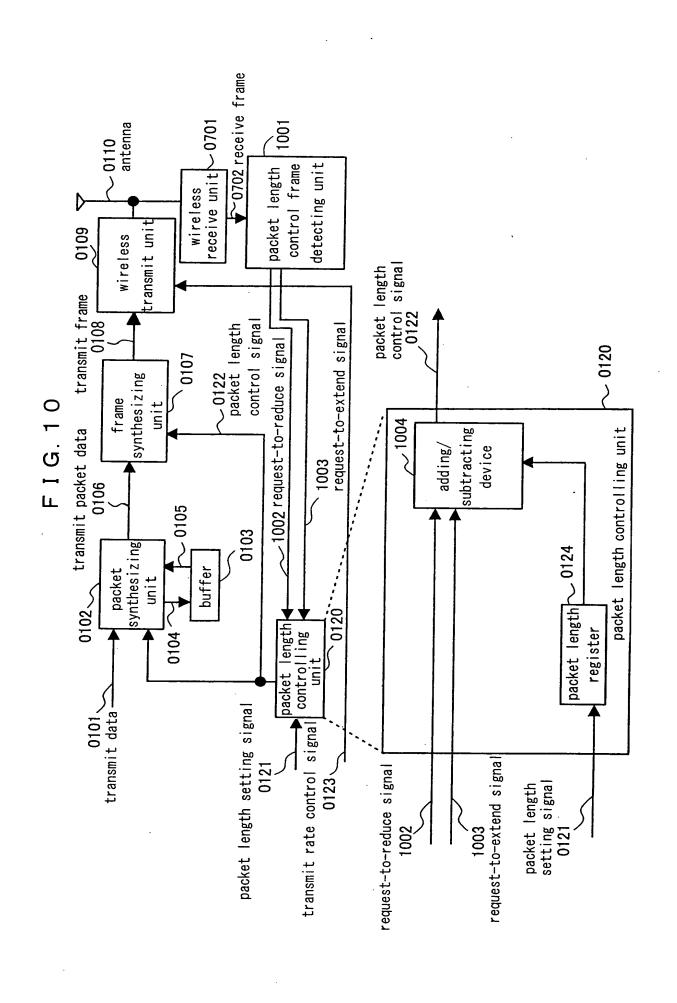


F I G. 7

F I G. 8



F I G. 9



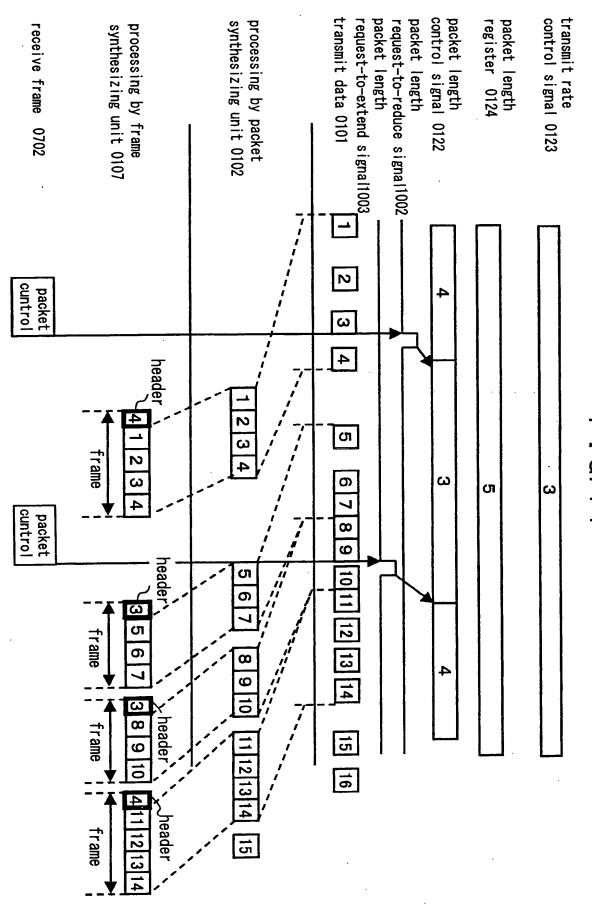
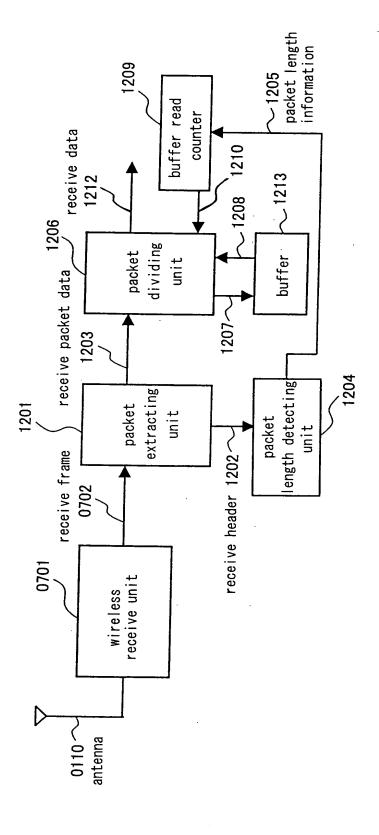
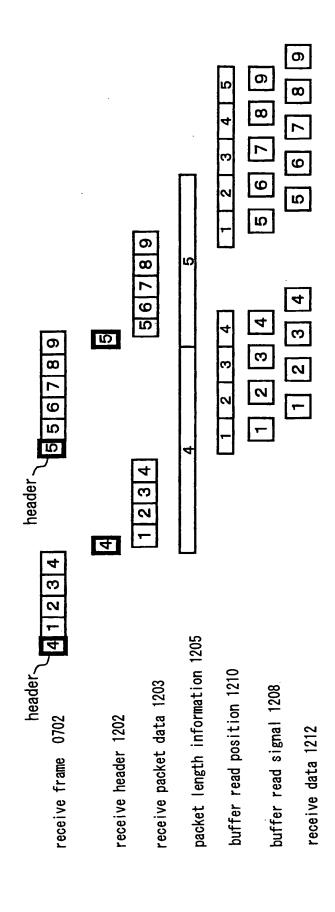


FIG. 11





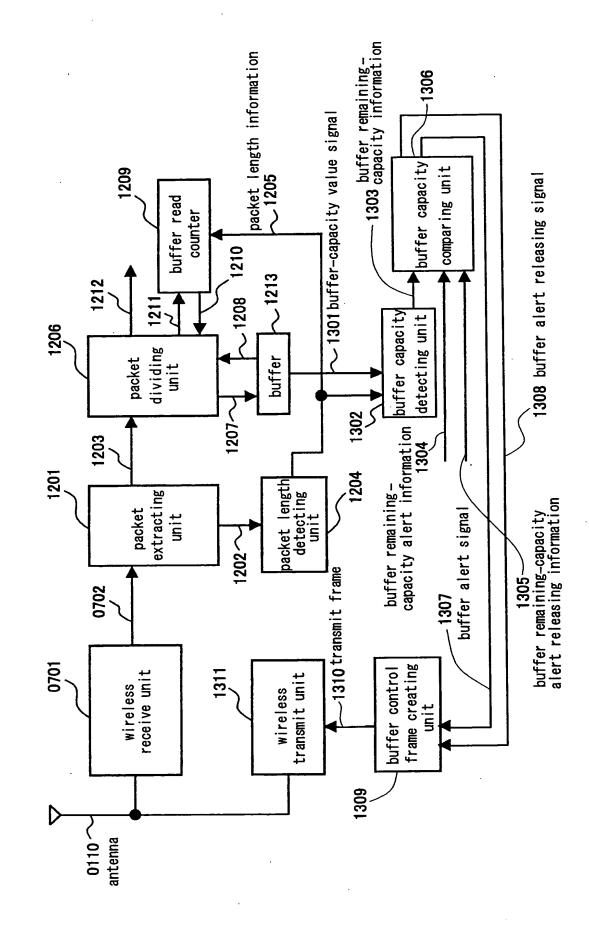
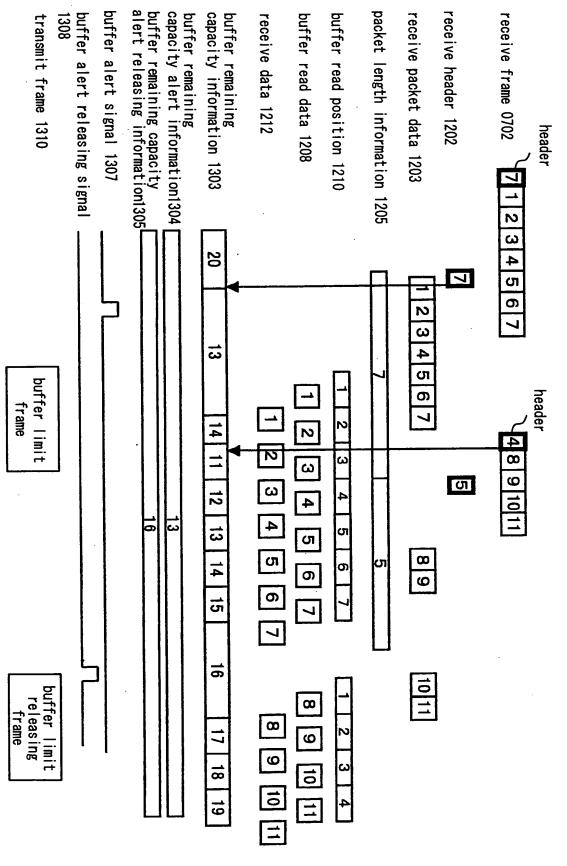
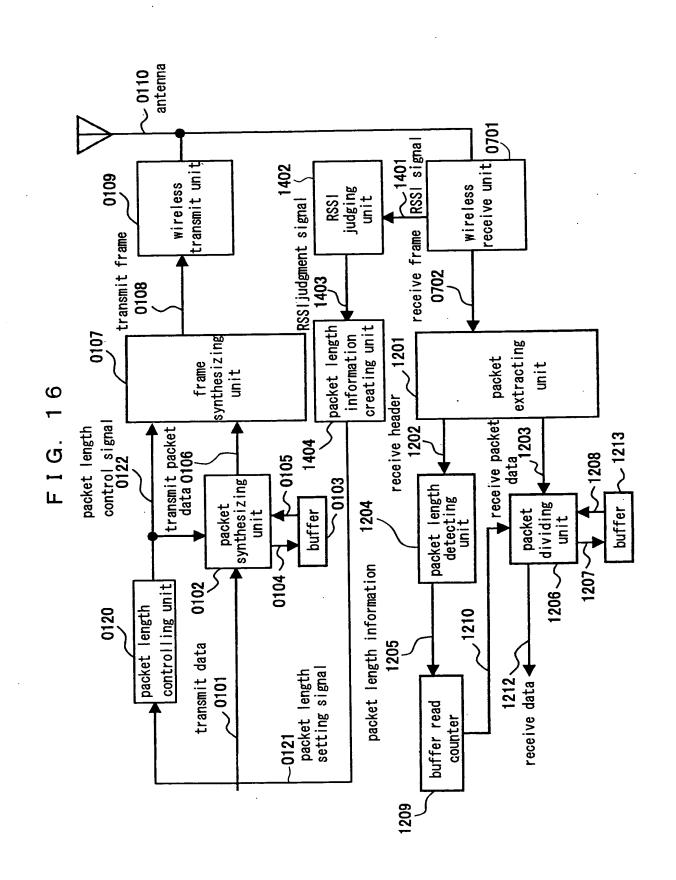
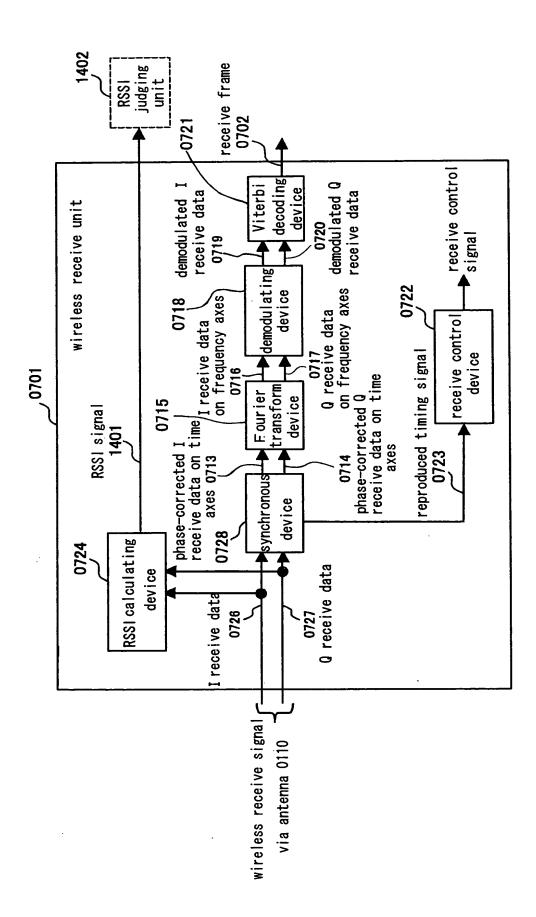
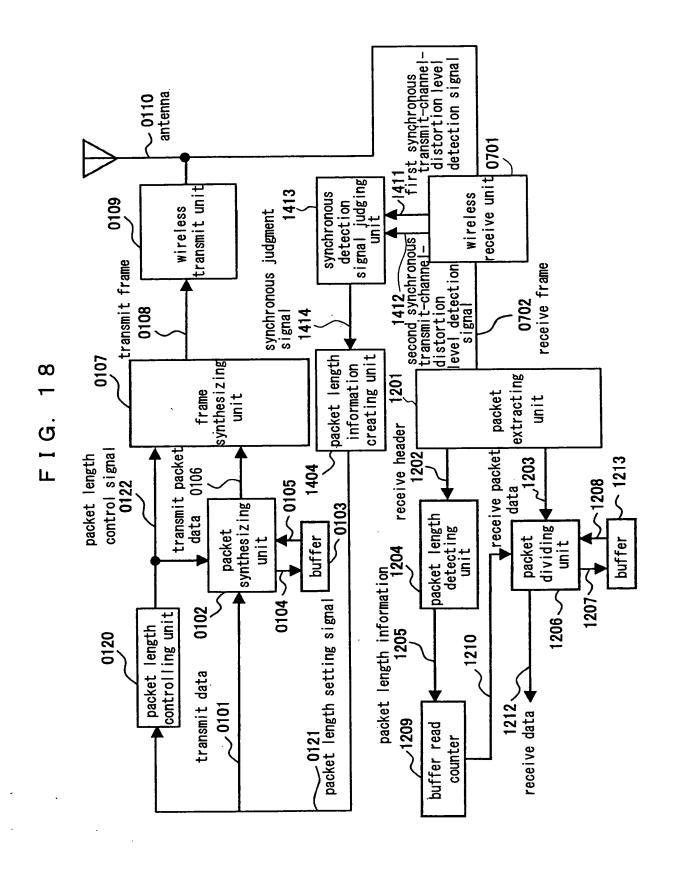


FIG. 15



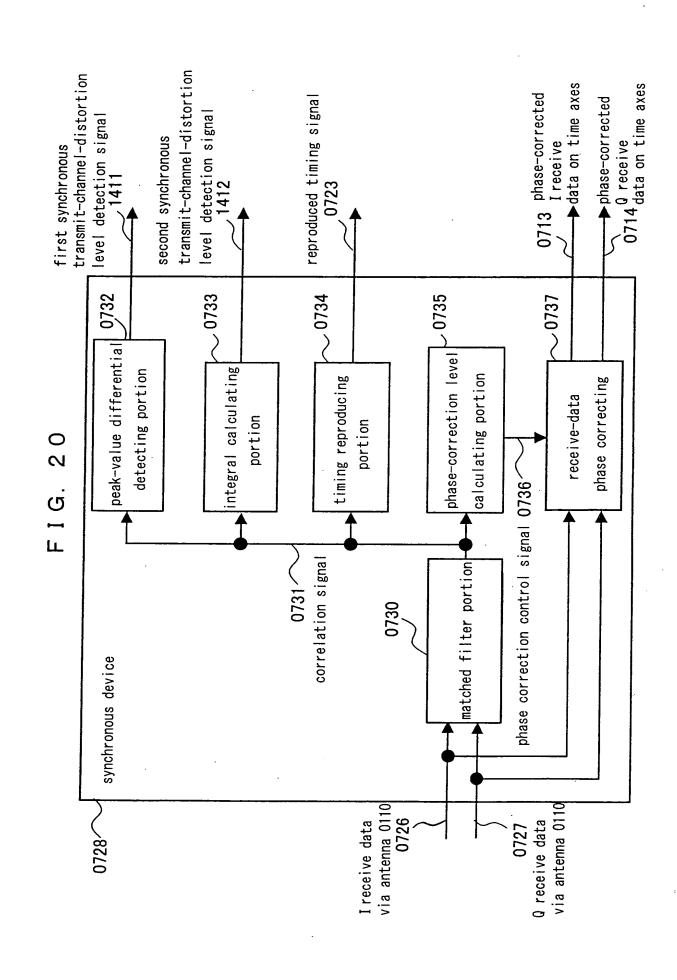


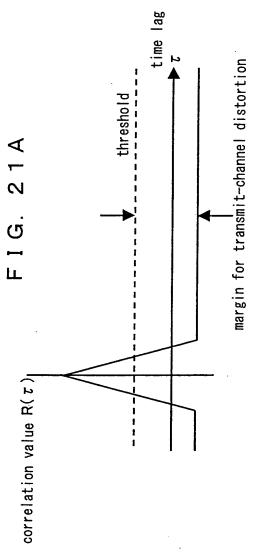




receive frame wireless receive unit 0718 demodulated I $\frac{0}{7}$ 21 receive control decoding 0720 demodulated 0 Viterbi receive data receive data - demodulating device O receive data on frequency axes 0715 on frequency axes 0716 transmit-channel-distortion Ireceive data reproduced timing signal 0722 receive control 0701 level detection signal device receive data on time 0717 first synchronous phase-corrected Q receive data on time phase-corrected transform Fourier device 0713 axes 71411 0723 0714 synchronous device 0728 O receive data I receive data 0727 transmit-channel-distortion wireless receive signal r level detection signal via antenna 0110 second synchronous 1412 -

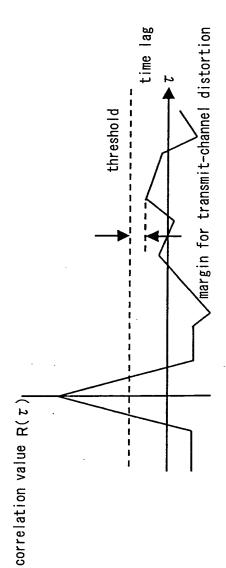
L U





waveform in the case of ideal data showing a distinct peak of correlation signal



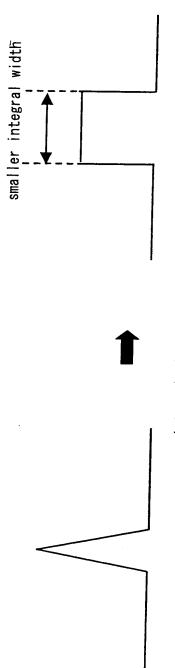


waveform in the case of data appended by transmit-channel distortion showing peaks of correlation signal

shift register

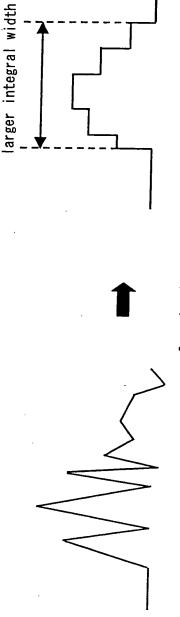
FIG. 22

FIG. 23A



integral width in the case of ideal date showing a distinct peak of correlation signal

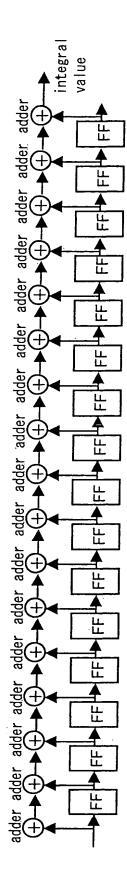
FIG. 23B

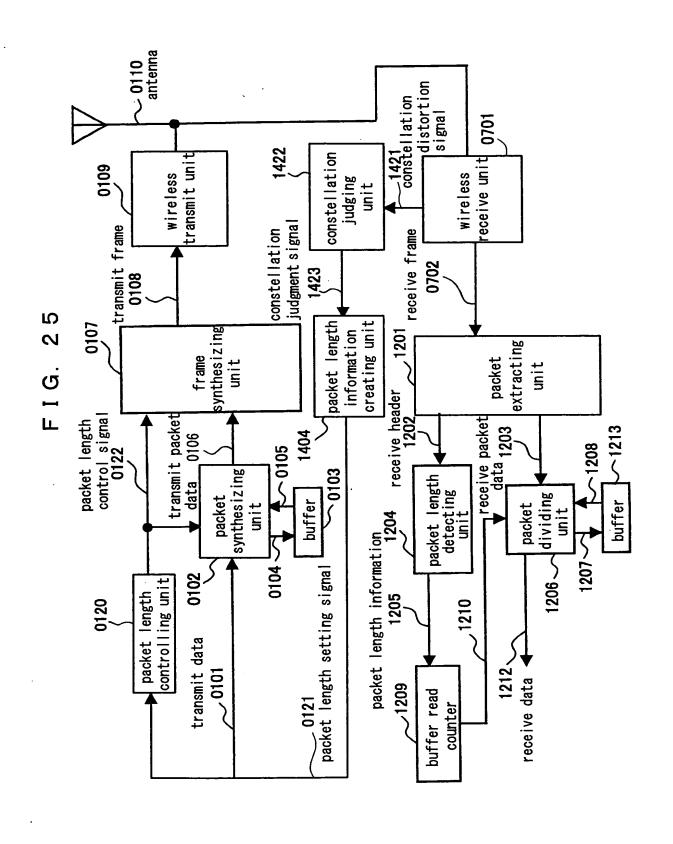


waveform in the case of data appended by transmit-channel distortion showing peaks of correlation signal

integral calculating portion







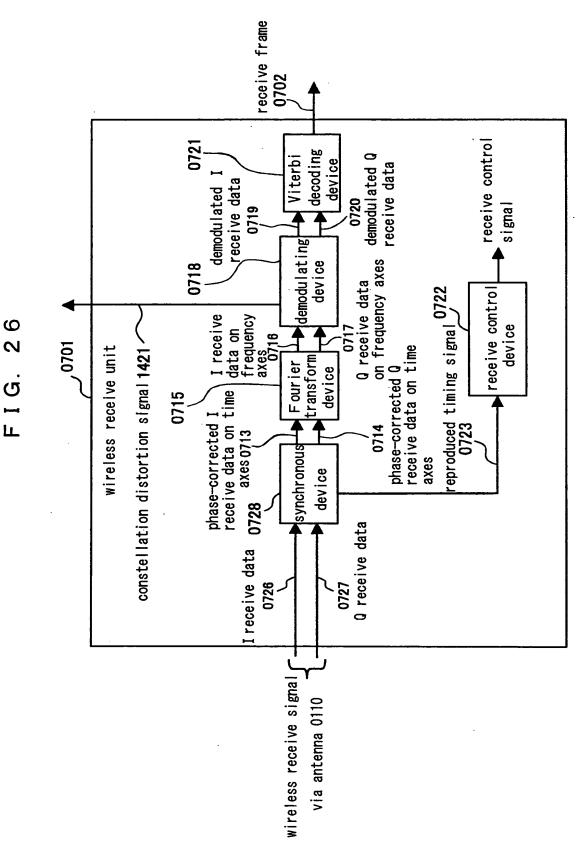
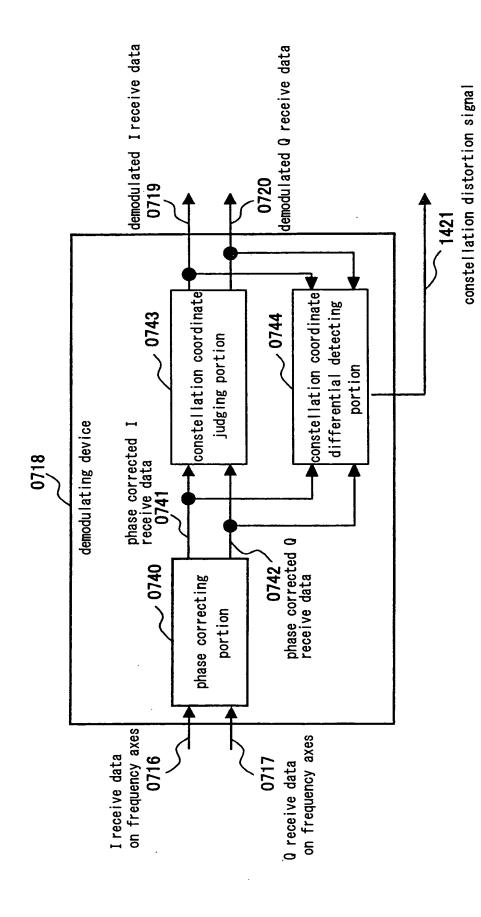


FIG.



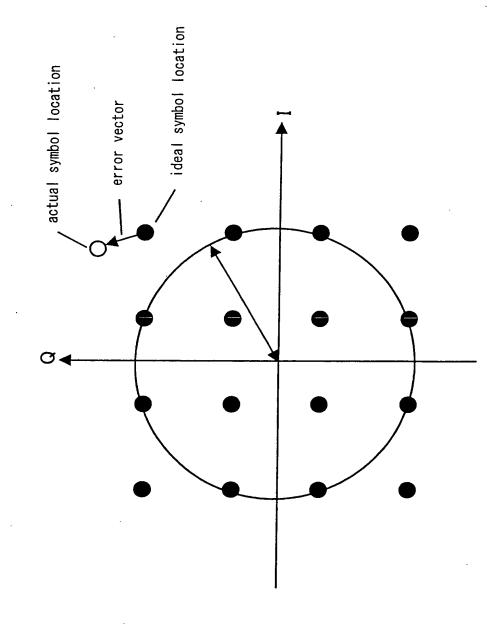


FIG. 28

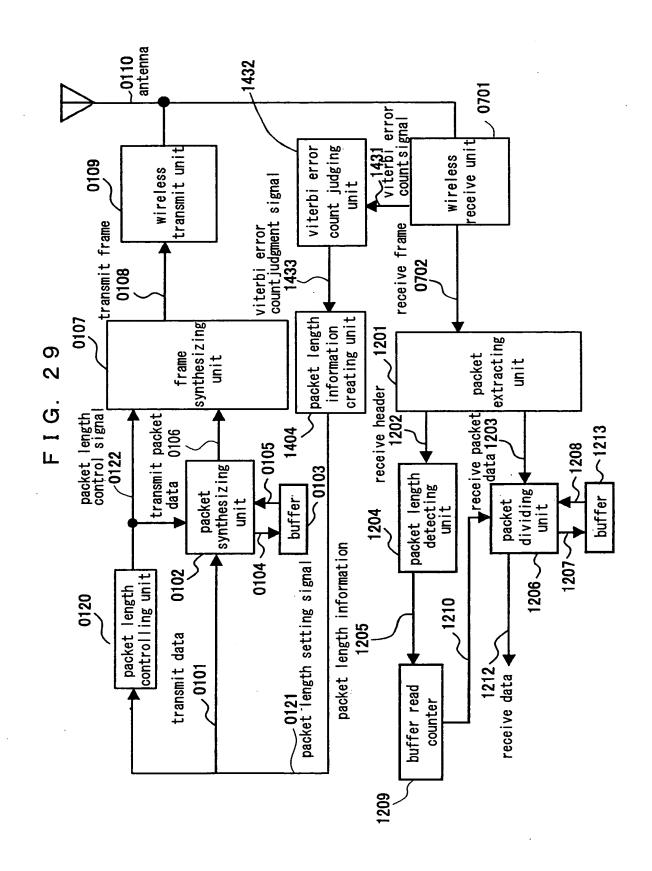
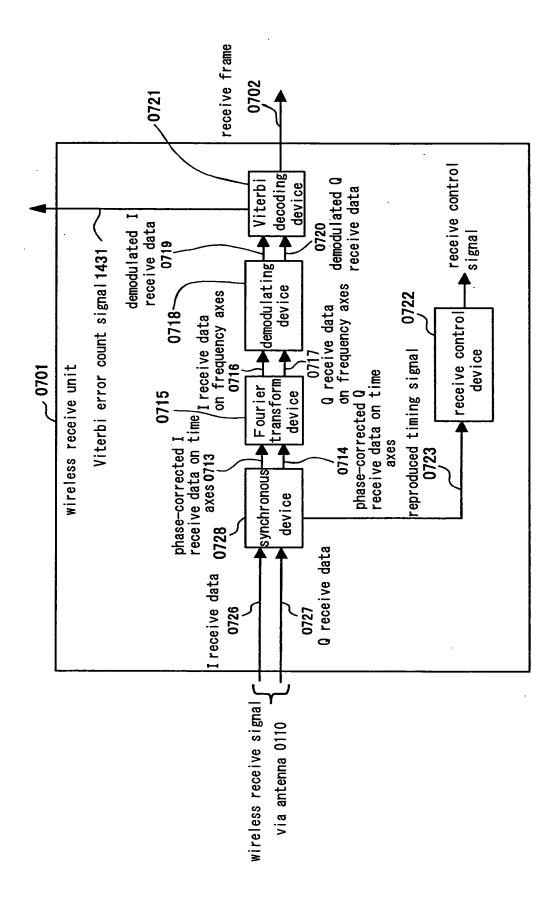
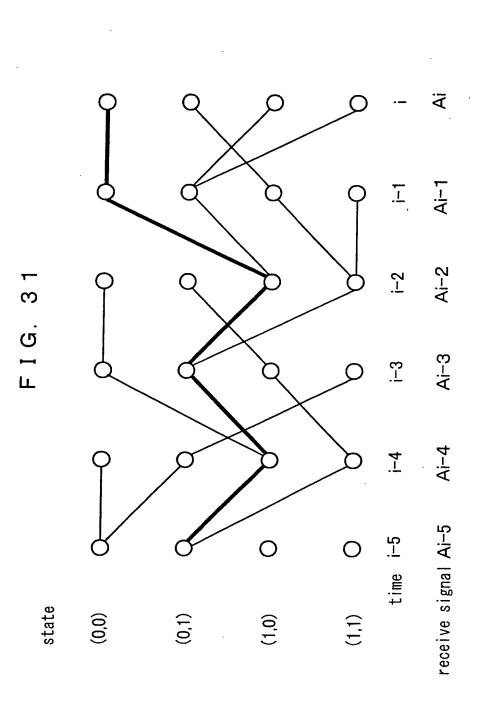
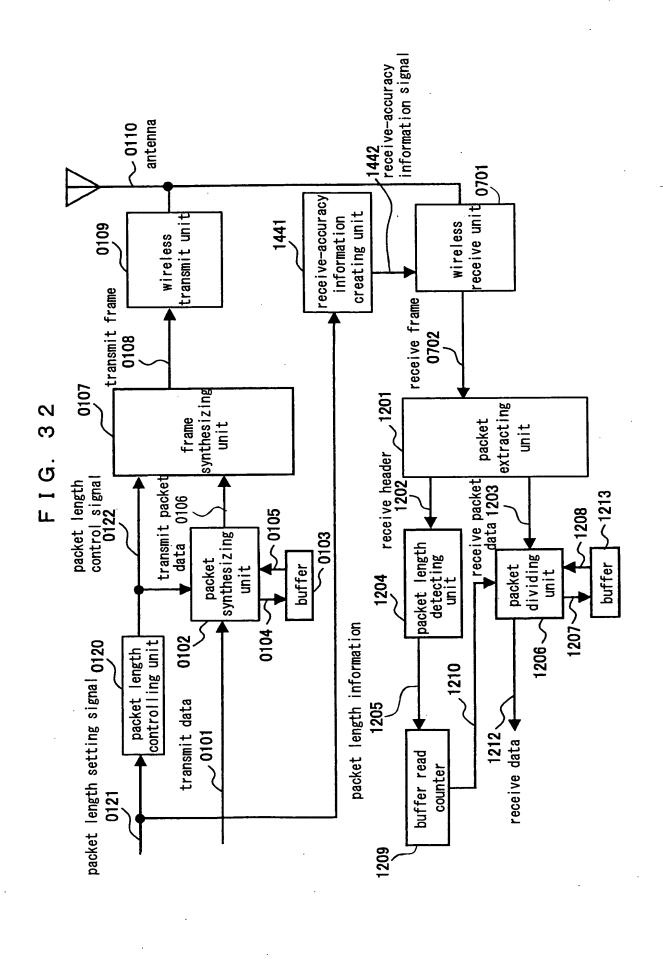


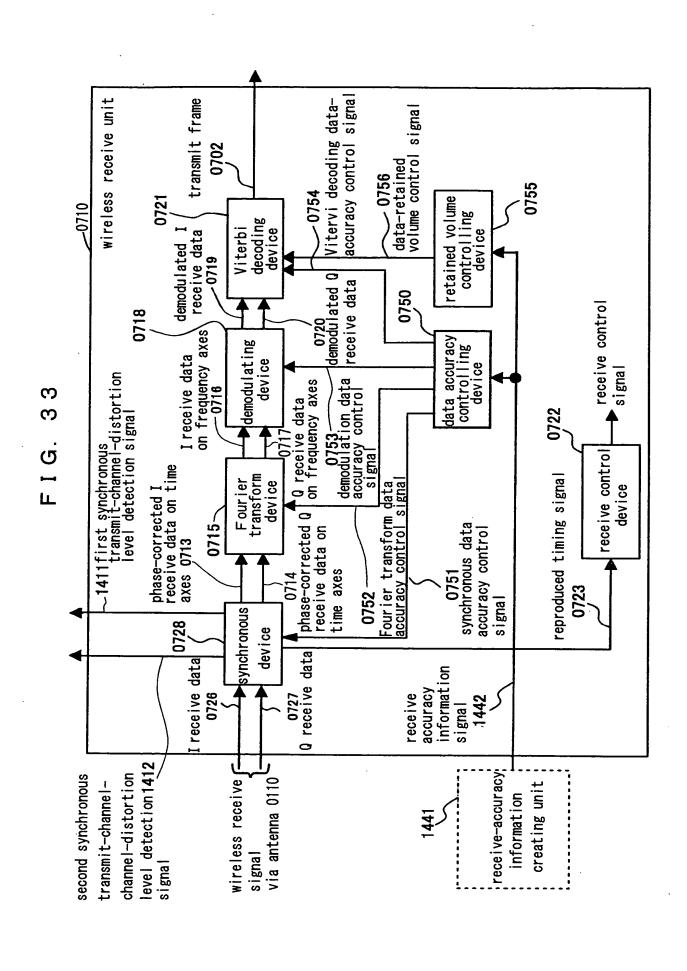
FIG. 30





maximum-likelihood path





antenna **Jol10** 0109 transmit unit transmit packet data wireless PRIOR ART FIG.35 ART 10 F I G. 34 တ 0106 PRIOR ~ 0105 0103 8 packet synthesizing 0102 unit buffer വ 0104 3 4 transmit datatransmit data 0101 1 2 processing by packet synthesizing unit 0102